

| | Ref # | Type | Hits | Search Text | DBs |
|---|-------|------|---------|---|--|
| 1 | S168 | IS&R | 4717 | ((335/177-179,220-229) or (359/227,230)).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB |
| 2 | S169 | BRS | 2061063 | sensor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 3 | S170 | BRS | 416466 | shuttle armature plunger | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 4 | S171 | BRS | 3131807 | coil wire winding | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 5 | S172 | BRS | 545052 | magnet | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 6 | S173 | BRS | 16816 | S171 same S172 same S169 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 7 | S174 | BRS | 1226 | S170 same S173 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Ref # | Type | Hits | Search Text | DBs |
|---|-------|------|------|---|------------------------------|
| 8 | S175 | BRS | 451 | {"1090902" "1269564" "1361935" "1471861" "1668752" "1857349" "20020027393" "20030074998" "2444118" "2445535" "2533187" "2560444" "2564246" "2690529" "2708245" "2915681" "2990507" "3001049" "3022450" "3040217" "3070730" "3103603" "3119940" "3130331" "3135880" "3149255" "3202447" "3202886" "3203447" "3241006" "3243238" "3332045" "3379214" "3420492" "3453510" "3460081" "3473898" "3486352" "3504315" "3514674" "3525887" "3598145" "3621419" "3634735" "3683239" "3693122" "3700972" "3728654" "3740594" "3743898" "3747379" "3755766" "3792390" "3828288" "3853102" "3882833" "3889219" "3900822" "3931514" "3977436" "4004258" "4046244" "4072370" "4072918" "4074142" "4078709" "4097833" "4122423" "4127835" "4129187" "4144514" "4159026" "4164722" "4169234" "4172470" "4218669" "4240056" "4253493" "4285603" "4286244" "4288771" "4295111" "4306207" "4306589" "4315197" "4327638" "4355661" "4383234" "4403765" "4409948" "4419643" "4422060" "4455543" "4463332" | US-PGPUB; USPAT; USOCR |

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| | | | | "4489863" | "4494098" | |
| | | | | "4509026" | "4524797" | |
| | | | | "4529270" | "4533890" | |
| | | | | "4534539" | "4549535" | |
| | | | | "4561632" | "4567969" | |
| | | | | "4574841" | "4604599" | |
| | | | | "4614170" | "4621660" | |
| | | | | "4635016" | "4655251" | |
| | | | | "4660011" | "4662604" | |
| | | | | "4675563" | "4683452" | |
| | | | | "4690371" | "4692673" | |
| | | | | "4749891" | "4755782" | |
| | | | | "4774485" | "4779582" | |
| | | | | "4782315" | "4785816" | |
| | | | | "4829947" | | |
| | | | | "4831973").PN. OR | | |
| | | | | ("4860792" | "4928028" | |
| | | | | "5012144" | "5032812" | |
| | | | | "5038061" | "5069422" | |
| | | | | "5104299" | "5166652" | |
| | | | | "5191804" | "5241292" | |
| | | | | "5268662" | "5280806" | |
| | | | | "5303012" | "5318071" | |
| | | | | "5345968" | "5351934" | |
| | | | | "5375813" | "5394131" | |
| | | | | "5405050" | "5434549" | |
| | | | | "5444313" | "5455707" | |
| | | | | "5460146" | "5470043" | |
| | | | | "5471893" | "5497135" | |
| | | | | "5566662" | "5579743" | |
| | | | | "5598625" | "5645019" | |
| | | | | "5653733" | "5669337" | |
| | | | | "5671705" | "5689997" | |
| | | | | "5701874" | "5719451" | |
| | | | | "5727769" | "5734310" | |
| | | | | "5743143" | "5804962" | |
| | | | | "5809157" | "5814907" | |
| | | | | "5818131" | "5820104" | |
| | | | | "5852519" | "5883557" | |
| | | | | "5896076" | "5912604" | |
| | | | | "5921134" | "5999669" | |
| | | | | "6009615" | "6028499" | |
| | | | | "6040752" | "6084320" | |
| | | | | "6147422" | "6166465" | |
| | | | | "6179268" | "6182942" | |
| | | | | "6229421" | "6246131" | |
| | | | | "6266196" | "6326706" | |
| | | | | "6377380" | "6382042" | |
| | | | | "6507257").PN. OR | | |
| | | | | ("2001/0026204" | | |

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|----|------|-----|---------|---|---|
| | | | | "2002/0050898" "2002/0153982" "2004/0113731" "2005/0185241" "2006/0238284" "2007/0194872" "2007/0216504" "2007/0241298" "3070730" "3755766" "3859547" "4243899" "4253493" "4324981" "4533890" "4747010" "4779582" "5166652" "5268662" "5394131" "5896076" "5970961" "6040752" "6057750" "6199587" "6229421" "6501357" "6512435" "6639496" "6732607" "6791442" "6836201" "6956453" "6958553" "7013057").URPN. | |
| 9 | S176 | BRS | 2061063 | sensor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 10 | S177 | BRS | 416466 | shuttle armature plunger | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

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|----|-------|------|---------|------------------------------|---|
| 11 | S178 | BRS | 3131807 | coil wire winding | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 12 | S179 | BRS | 545052 | magnet | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 13 | S180 | BRS | 16816 | S178 same S179 same S176 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 14 | S181 | BRS | 1226 | S177 same S180 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 15 | S182 | BRS | 3 | S181 and filter same beam | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 16 | S183 | BRS | 0 | ("2005/0185241").URPN. | USPAT |
| 17 | S184 | BRS | 2566775 | optical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 18 | S185 | BRS | 1521534 | beam | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Ref # | Type | Hits | Search Text | DBs |
|----|-------|------|---------|------------------------------|---|
| 19 | S186 | BRS | 1919899 | filter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 20 | S187 | BRS | 3499881 | S184 S185 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 21 | S188 | BRS | 231641 | S186 same S187 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 22 | S189 | BRS | 958102 | actuator solenoid shuttle | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 23 | S190 | BRS | 4777 | S188 same S189 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 24 | S191 | BRS | 478554 | latch bi\$1stable | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 25 | S192 | BRS | 56 | S190 same S191 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 26 | S193 | BRS | 2061063 | sensor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Ref # | Type | Hits | Search Text | DBs |
|----|-------|------|---------|--------------------------|---|
| 27 | S194 | BRS | 987317 | magnet latch keeper | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 28 | S195 | BRS | 1877985 | coil solenoid winding | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 29 | S196 | BRS | 17374 | S193 same S194 same S195 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 30 | S197 | BRS | 5137 | S196 and controller | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 31 | S198 | BRS | 15 | S197 and S168 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Ref # | Type | Hits | Search Text | DBs |
|----|-------|------|------|---|--------------------|
| 32 | S199 | BRS | 99 | ("20050185241" "4478714" "4817680" "5901459" "5901464" "5961698" "5983516" "6014820" "20050207922" "5839679" "4347872" "4361172" "4872603" "5538049" "5662146" "5749857" "3592241" "3554240" "4404743" "4445536" "4609015" "4628600" "4968206" "4992038" "5216819" "5409443" "5702224" "5795533" "5878787" "5910310" "6044870" "5455983" "5608945" "5456195" "5803229" "4340555" "4358239" "4369139" "4424939" "4465070" "4509562" "4583634" "4773807" "4779534" "4825770" "4836070" "4934112" "4948321" "5303068" "5423482" "5466079" "5547146" "5562197" "5564848" "5584257" "5603273" "5606927" "5629889" "5694874" "5730425" "5758588" "5775195" "5887325" "5890362" "6026730" "6116557" "6148870" "6216767" "6216767" "3622972" "3580294" "3694065" "3844851" "4254464" "4257158" "4261451" "4261394" "4262478" "4282843" "4294291" "4304033" "4329764" "4330572" "4331140" "4345437" "4349562" "4350012" "4359979" "4364410" "4367728" "4380013" "4384163" "4386683" "4390013" "4398233" "4397349" | US-PGPUB; USPAT |

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| | | | | "4402657" "4406237" "4414908" "4417532") .pn. | |
| 33 | S200 | BRS | 8 | S199 and S193 and S191 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 34 | S201 | IS&R | 350 | ((335/177-179,220-229) or (359/227,230)).CCLS. | US-PGPUB |
| 35 | S202 | BRS | 14994 | (shuttle armature plunger).clm. | US-PGPUB |
| 36 | S203 | BRS | 26071 | (latch bi\$1stable).clm. | US-PGPUB |
| 37 | S204 | BRS | 10911 | ((optical beam) with filter).clm. | US-PGPUB |
| 38 | S205 | BRS | 2 | S202 and S203 and S204 | US-PGPUB |

| | Ref # | Type | Hits | Search Text | DBs |
|----|-------|------|--------|------------------------------------|----------|
| 39 | S206 | BRS | 626 | S202 and S203 | US-PGPUB |
| 40 | S207 | BRS | 136808 | (sensor).clm. | US-PGPUB |
| 41 | S208 | BRS | 62 | S206 and S207 | US-PGPUB |
| 42 | S209 | BRS | 25795 | (magnet).clm. | US-PGPUB |
| 43 | S210 | BRS | 115820 | (coil wire winding).clm. | US-PGPUB |
| 44 | S211 | BRS | 140630 | (controller).clm. | US-PGPUB |
| 45 | S212 | BRS | 939 | S209 and S210 and S211 | US-PGPUB |
| 46 | S213 | BRS | 3 | S206 and S212 | US-PGPUB |
| 47 | S214 | BRS | 105 | S202 and S209 and S210 and S211 | US-PGPUB |
| 48 | S215 | BRS | 106556 | (spring bias).clm. | US-PGPUB |
| 49 | S216 | BRS | 35 | S214 and S215 | US-PGPUB |